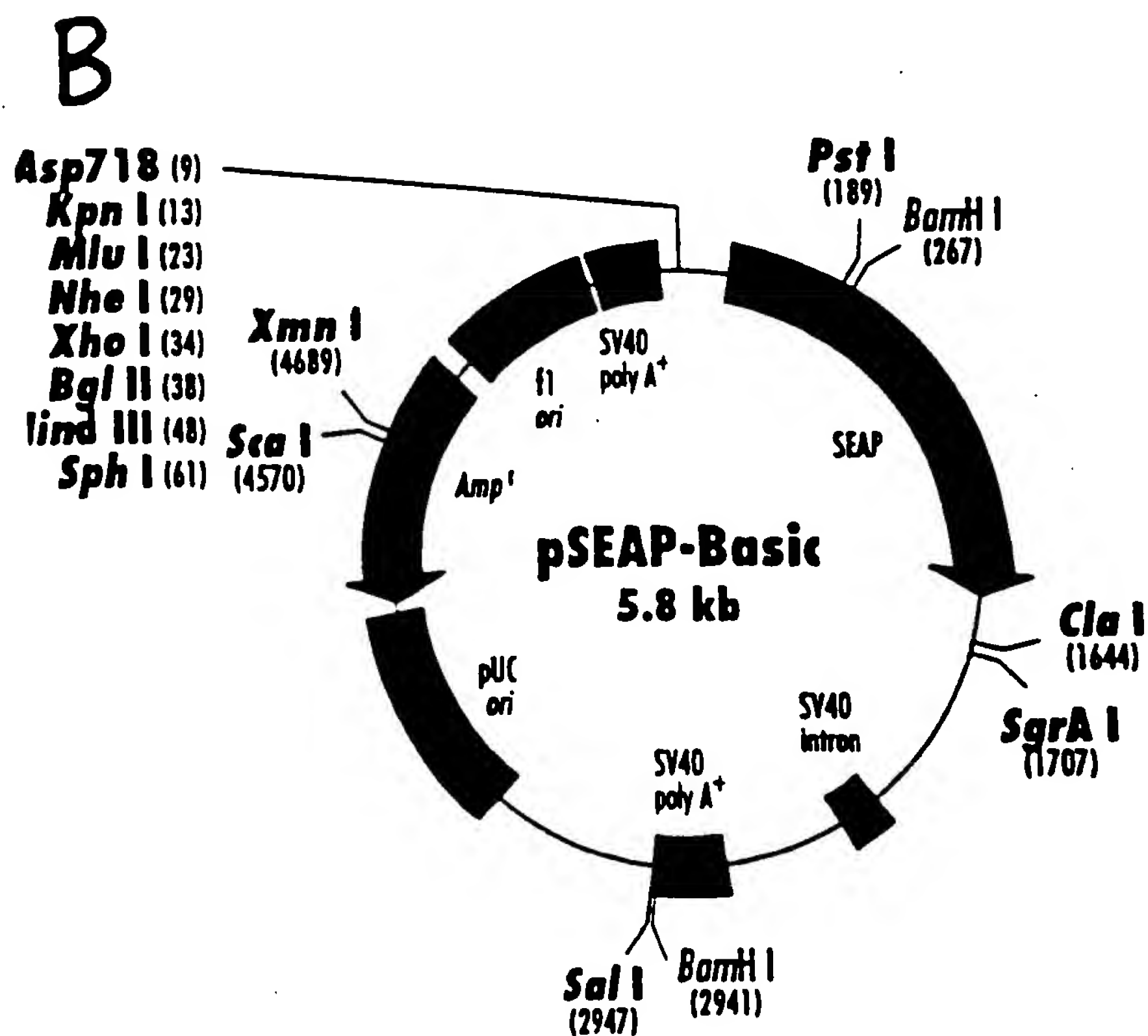
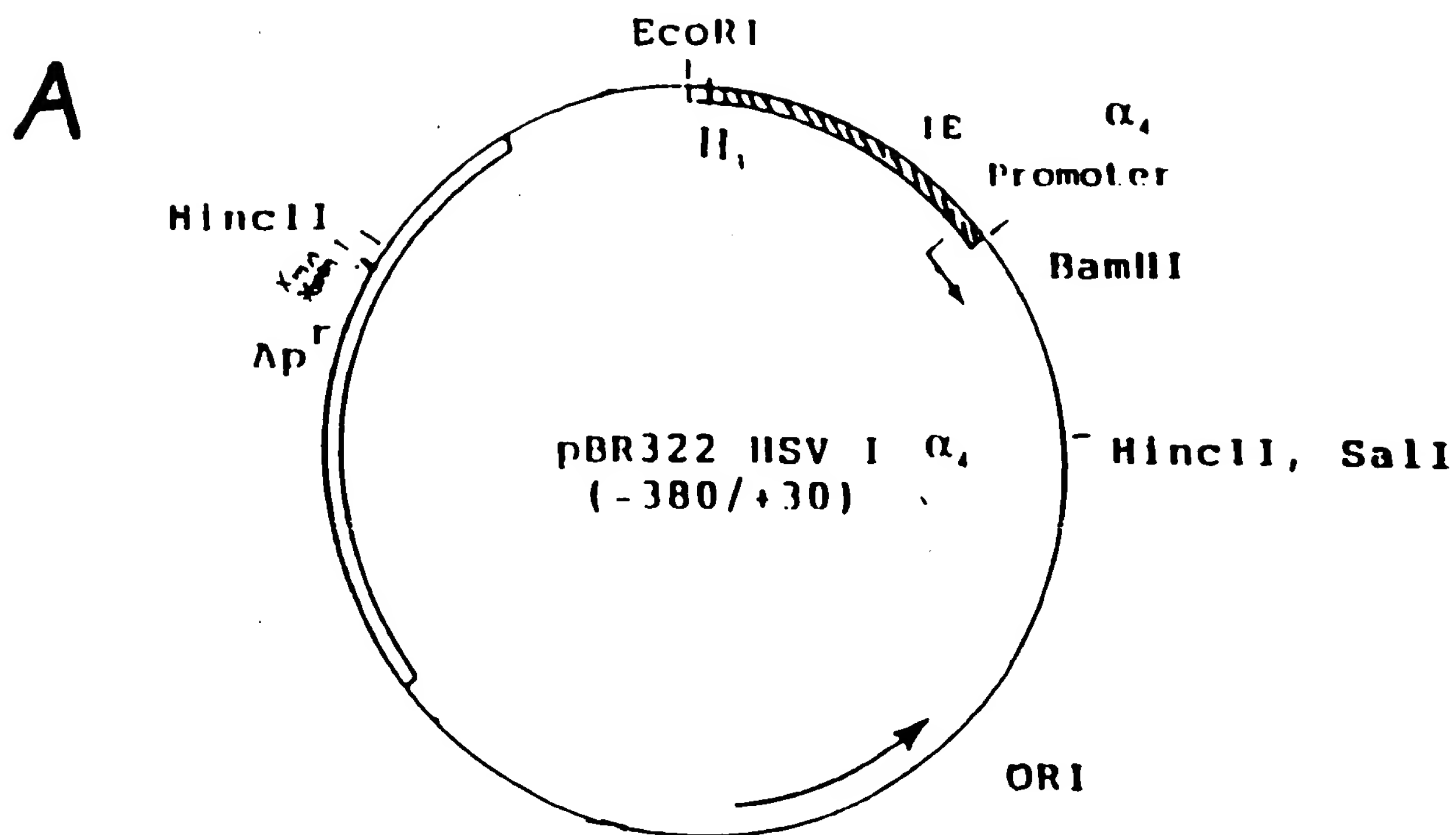


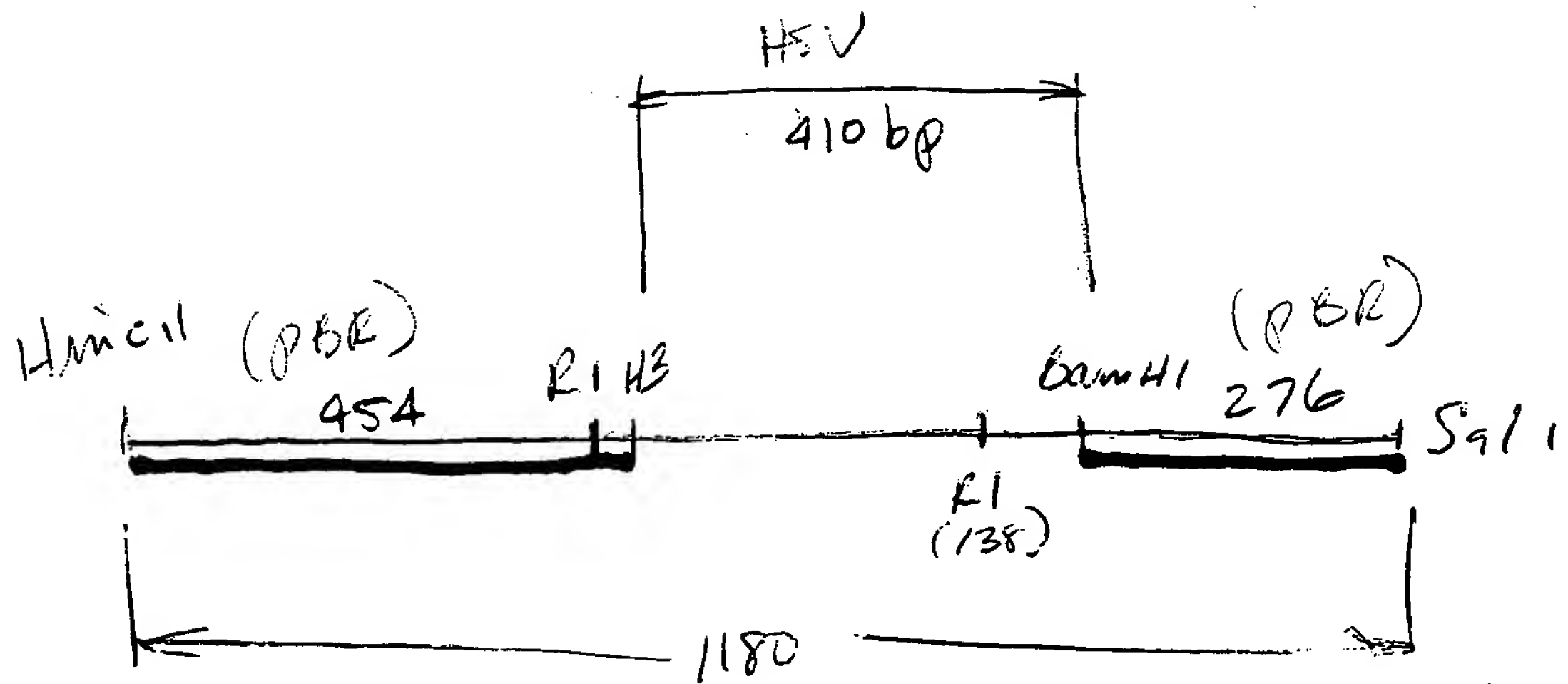
FIGURE 3 : Restriction Maps of (A) pHSV1 α_4 SEAP and (B) pSEAP-Basic.



The plasmid pBR322 HSV 1 (-380/+30) was linearized with *Sma*I, phenol extracted, ethanol precipitated and used as the template in an *in-vitro* transcription reaction. Mal.4 was converted to the sodium salt by reacting with 3 molar equivalents of sodium hydroxide. Three hundred nanograms of linearized template was mixed with 7.5 μ l (~20 μ g protein/reaction) HeLa whole cell extract followed by 5 μ l of Mal.4. The mixture was incubated at 30°C for 15 minutes. Nucleotide triphosphates (1.5 μ l) were added to a final concentration of 500 μ M followed by the addition of 10 μ Ci (1 μ l) of [α - 32 P]UTP. Incubation was continued for an additional 60 minutes. The reaction was terminated by the addition of 300 μ l of 20 mM Tris-HCl (pH 7.8), 150 mM NaCl, and 0.2% SDS. After phenol extraction and ethanol precipitation the pellet was dissolved in 15 μ l of 50% formamide and electrophoresed on a 4% polyacrylamide gel containing 7M urea. Lane 1, H₂O control, lane 2, Mal.4 at 100 μ g/ml, lane 3, Mal.4 at 130 μ g/ml.

Reference: J. L. Manley, A. Fire, A. Carro, P. A. Sharp, and M. L. Gelfand (1980), Proc Natl Acad Sci USA 77, 3855-3859

-380/+30 = 410 bp



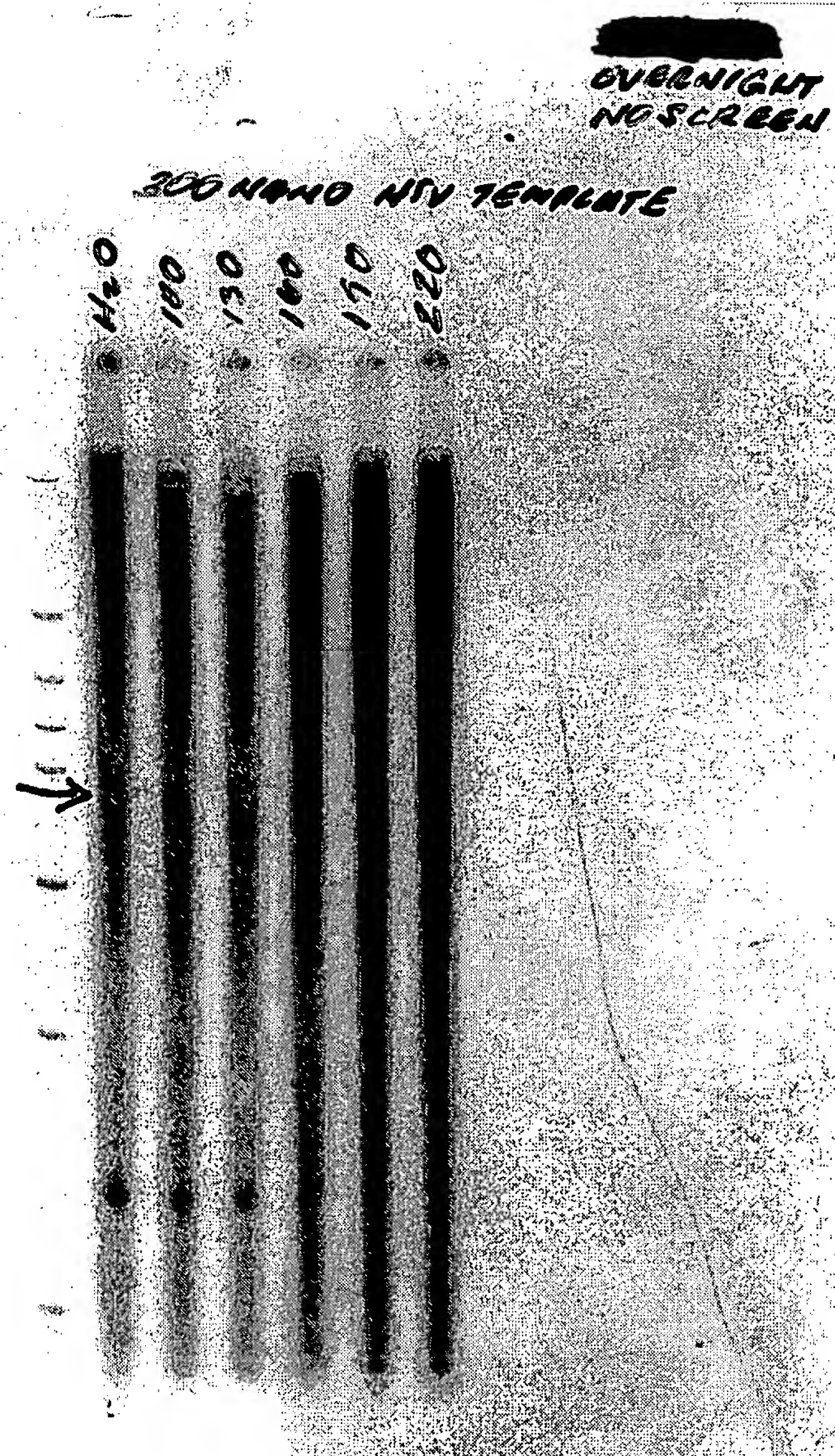


Figure A(1)